

Claims

1. A plate-shaped shearing knife for shearing off allotments of liquid glass, said knife being comprised of hard metal and having a roughly V-shaped or circular-shaped cutting region, said cutting region having a wedge-shaped cross section, said hard metal having a thermal conductivity of at least about 85 W/m<sup>°</sup>K, said shearing knife having on both sides of said cutting region, edge regions which are not wedge-shaped, each edge region having an average width in the range of 5% to 30% of the total width of said shearing knife.

2. A plate-shaped shearing knife according to Claim 1, wherein said thermal conductivity of said hard metal is in a range between 90-100 W/m<sup>°</sup>K.

3. A plate-shaped shearing knife according to Claim 1 wherein the average grain size of the hard metal is at least 2  $\mu$ m.

4. A plate-shaped shearing knife according to Claim 1 wherein said hard metal is comprised of 91 wt% of tungsten carbide and 9 wt% of cobalt.

5. A plate-shaped shearing knife according to Claim 1 further having a surface outside of a glass contact region adapted to be directed toward a glass reservoir, said surface having a coating of poor thermal conductivity, said knife further having an opposing surface outside of the glass contact region having a coating with good thermal conductivity.

6. A plate-shaped shearing knife according to Claim 5, wherein the coating with poor thermal conductivity is comprised of aluminum oxide and the coating with good thermal conductivity is comprised of copper.

5 7. A plate-shaped shearing knife according to Claim 1, further having grooves running in a cutting direction of the shearing knife in a region of glass contact.

10 8. A plate-shaped shearing knife according to Claim 1 wherein a side of the shearing knife has a 0.03 to 0.5 mm-deep recess that extends to a range of 1 to 8 mm from a tip of said cutting edge, and from there flares out conically to  
15 approximately said tip of said cutting edge.